

## ROBUST CURRENT LOOP CONTROLLER FOR SERVO SYSTEM

### ABSTRACT OF THE DISCLOSURE

A robust current loop controller for a servo system is provided. The robust current loop controller includes a model reference controller and a current controller. The model reference controller generates a velocity command signal from a current command reference signal of the servo system and generates a current command signal through comparing the velocity command signal with a feedback velocity command signal of the servo system. The current controller generates a control signal from the current command signal, the current command reference signal and a current feedback signal in order to drive the servo system.